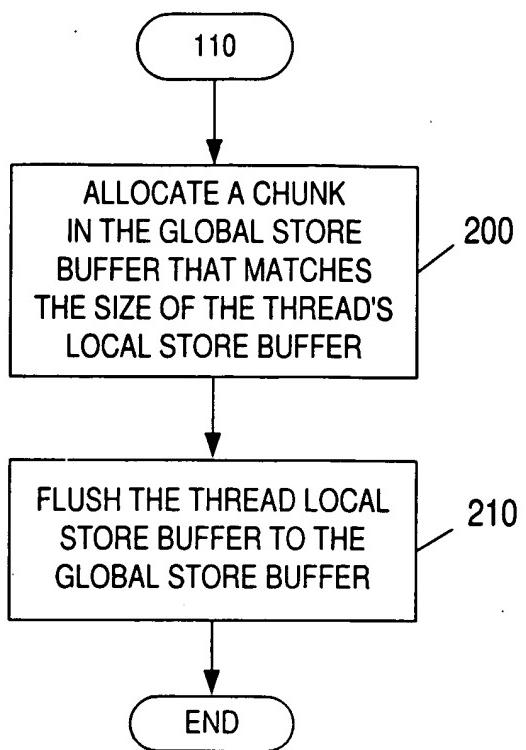


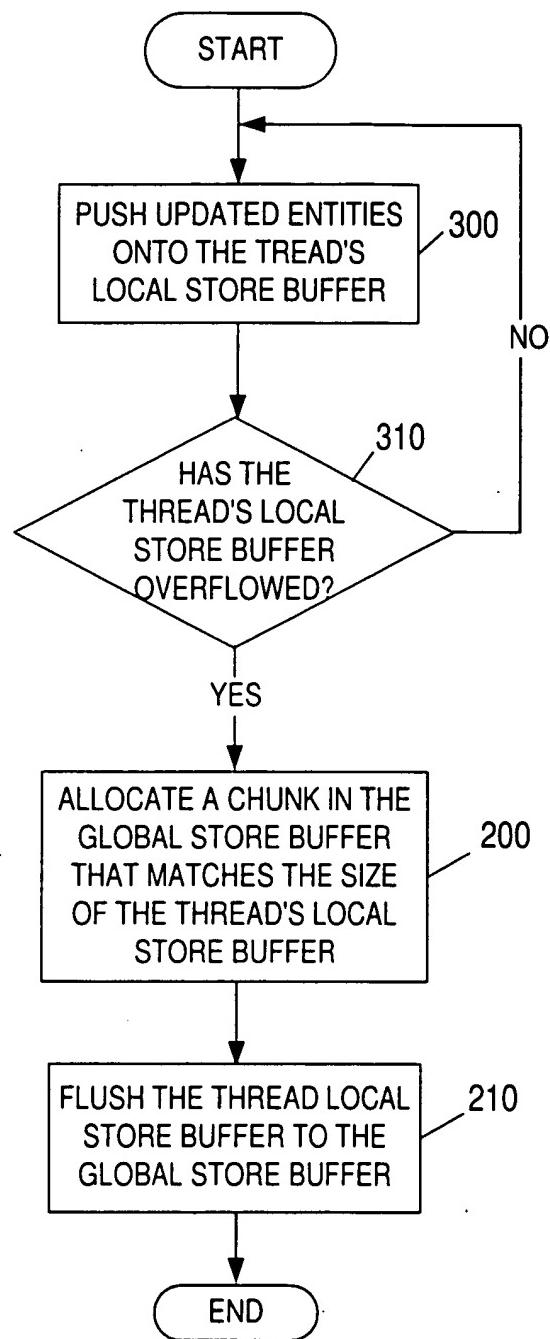
BAG-TO-SET

FIGURE 1



TRANSFORMING THE BAG TO A SET

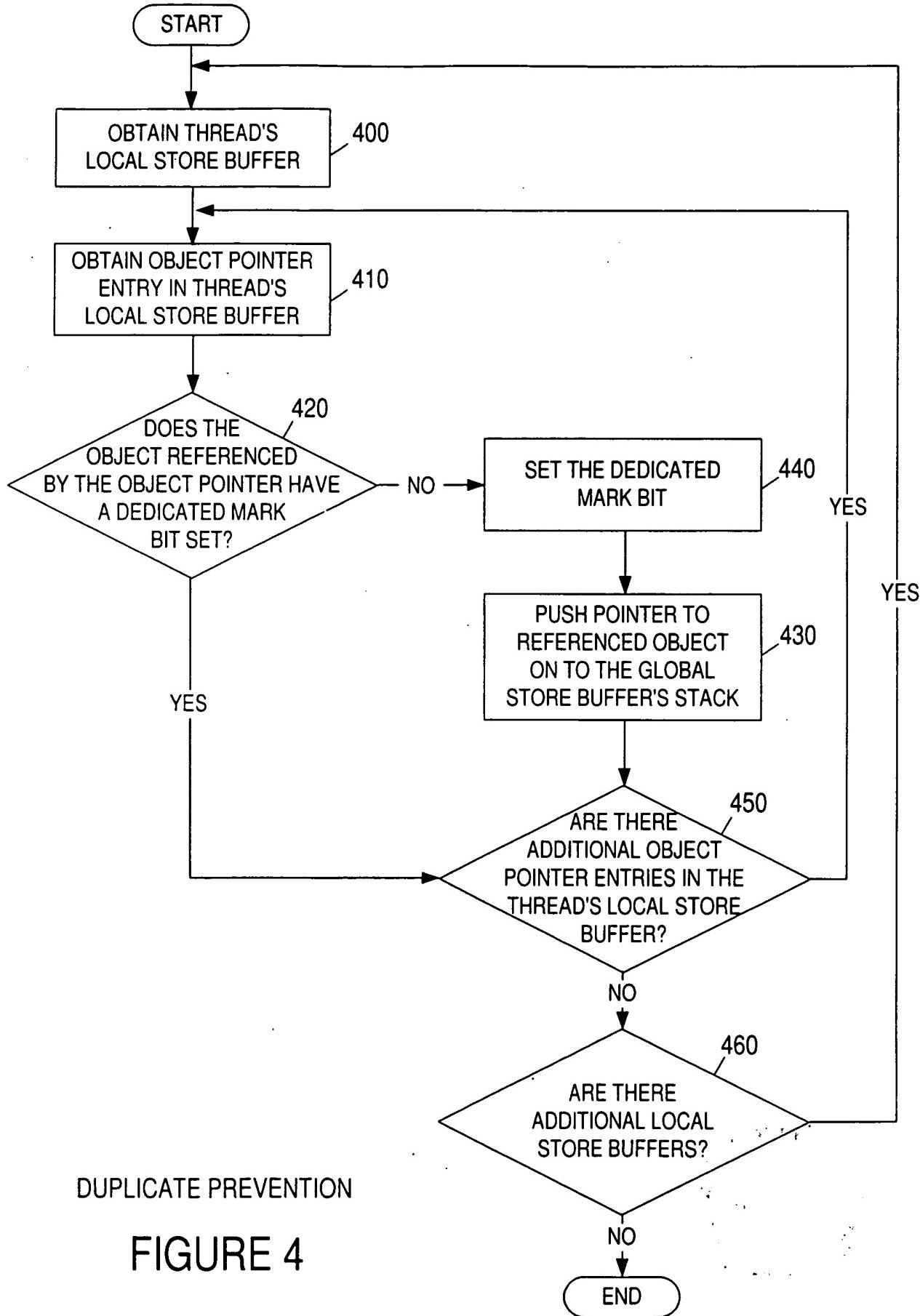
FIGURE 2



TRANSFORMING THE BAG TO A SET

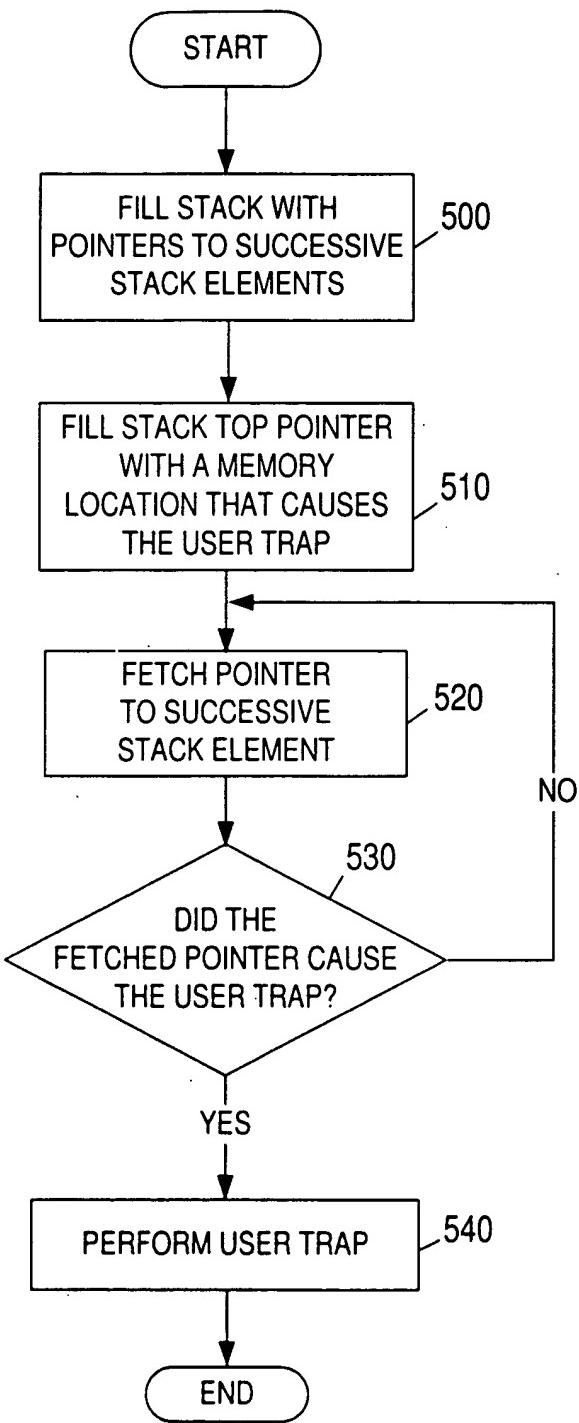
FIGURE 3

FIGURE 4 - DUPLICATE X-ZERO



DUPLICATE PREVENTION

FIGURE 4



USER TRAP

FIGURE 5

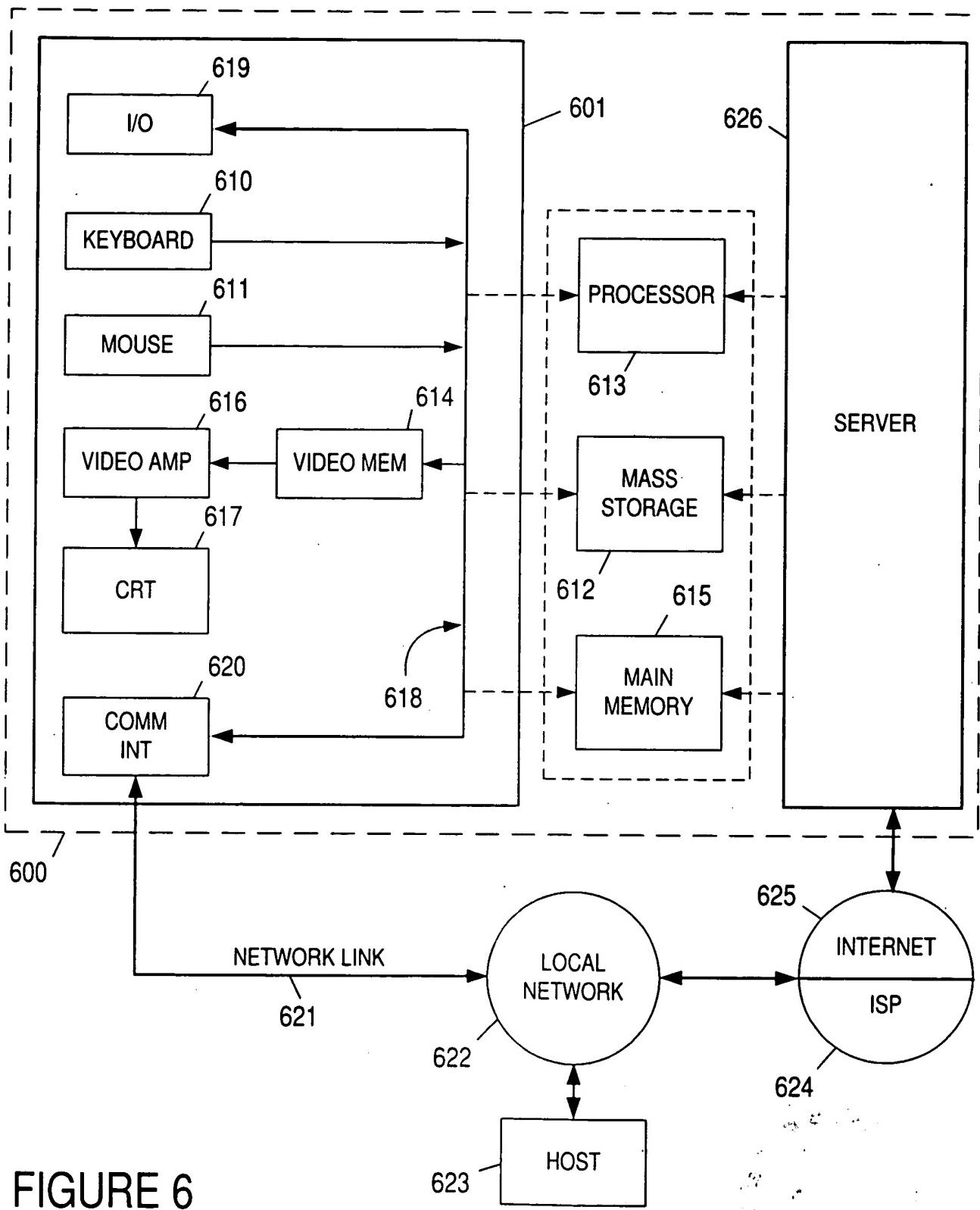
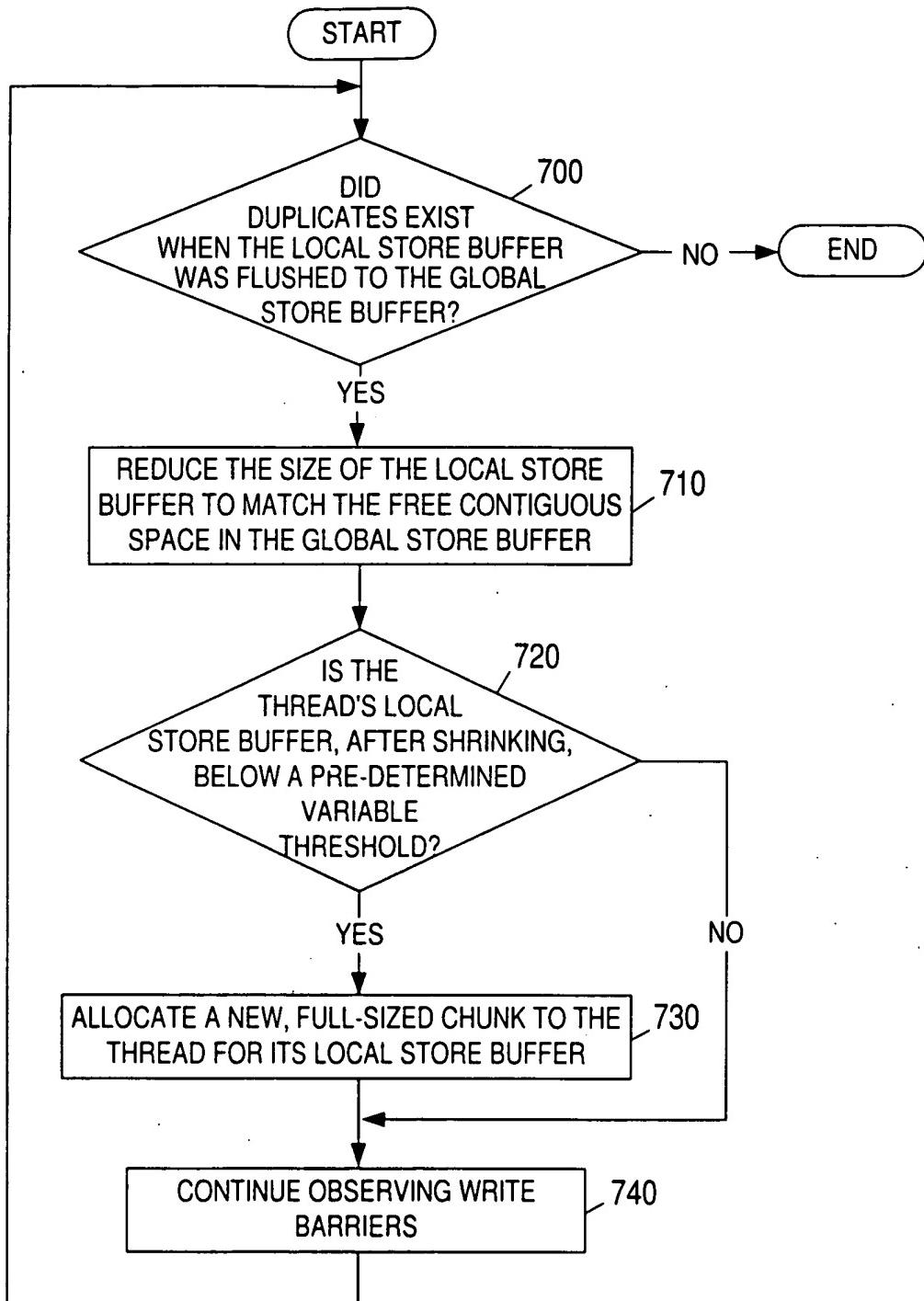


FIGURE 6



LOCAL STORE BUFFER SHRINKING

FIGURE 7